Financing Diesel BUG Alternatives

an introduction to Climate Tech Finance @ BAAQMD



CLIMATE TECH TINANCE

GOAL Accelerate commercialization and adoption of technologies that reduce greenhouse gas emissions

APPROACH Increase access to capital for **entrepreneurs** bringing climate technology to market and for **public agents** installing it

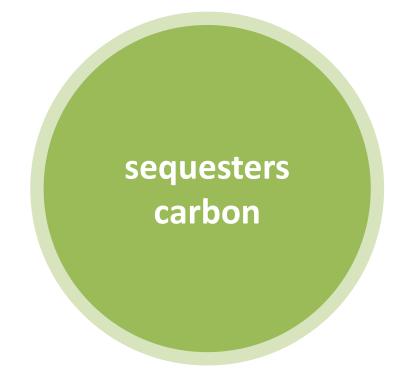
HYPOTHESIS Cash flow management will accelerate tech innovation

What is "climate tech?"

tech that....

avoids carbon-based fuels

reduces greenhouse emissions



tech that....

avoids carbon-based fuels

- Use renewable energy
- Switch to electricity
- Switch to hydrogen fuels

reduces greenhouse emissions

- Improve energy efficiency
- Convert methane to CO₂
- Use low-GWP refrigerant

sequesters carbon

- Apply compost to soil
- Use exhaust to make concrete



Residential Battery Systems

with integrated demand-response

example alternatives to diesel BUGs



Hydrogen Fuel Cells on an Oakland-San Francisco e-Ferry





How does CTF financing work?

CLIMATE TECH

private sector FINANCE

public sector

CLIMATE TECH private sector FINANCE

Commercializing New Tech

- working capital loans for biz growth
- startups servicing first dozen customers
- quarantee lasts up to 7 years

90% guarantee up to \$2.5M









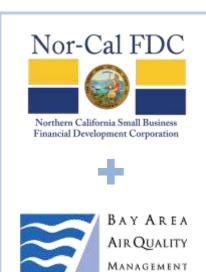




Guarantee

up to 90% or \$2.5M

up to 7 yrs



DISTRICT



commercial lender





DISTRICT

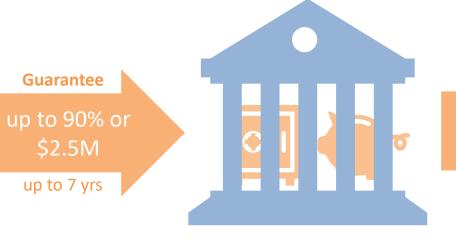


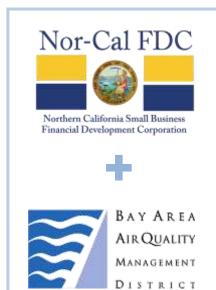
commercial lender

Loan

\$20M

rates vary







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commercial lender



entrepreneur

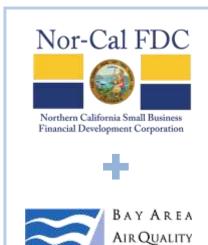
Loan

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climate tech venture

ratos vary



MANAGEMENT DISTRICT



commercial lender



entrepreneur

climate tech venture

Guarantee

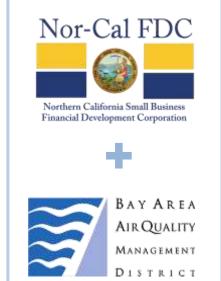
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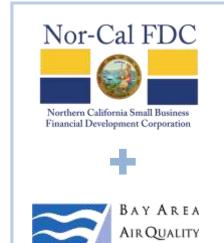


entrepreneur

up to \$20M
rates vary

climate tech venture

entrepreneur meets with CTF team



MANAGEMENT DISTRICT



commercial lender



Loan

\$20M

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entrepreneur meets with CTF team

CTF does technology assessment

commercial lender **CTF Partnership** entrepreneur Nor-Cal FDC Loan Guarantee climate Northern California Small Business **IBank** Financial Development Corporation up to 90% or tech **Small Business** \$20M \$2.5M venture **Finance Center** rates vary up to 7 yrs BAY AREA AIR QUALITY MANAGEMENT

entrepreneur meets with CTF team

DISTRICT

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IBank agrees to issue loan guarantee

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entrepreneur CTF does IBank agrees lender meets with technology to issue loan receives loan CTF team assessment guarantee guarantee

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entrepreneur CTF does IBank agrees lender entrepreneur meets with technology to issue loan receives loan receives CTF team assessment guarantee guarantee money

CLIMATE TECH FINANCE

public sector

loans from \$0.5M-\$30M up to 30 yrs

Installing Climate Tech

- infrastructure loans
- up to 25% or \$1M at 0% interest





Application

up to \$30M

up to 30 yrs



ISRF Program @ IBank

Application

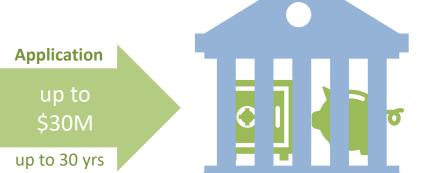
up to \$30M

up to 30 yrs





ISRF Program @ IBank



blended interest rate rates vary



ISRF Program @ IBank

municipality

Application

up to \$30M

up to 30 yrs



Loan

blended interest rate

rates vary

climate tech project



AIR QUALITY MANAGEMENT DISTRICT





up to

up to 30 yrs

blended rates vary climate tech project

Application

\$30M



ISRF Program @ IBank

municipality

Application

up to \$30M

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Loan

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climate tech project

public agency meets with CTF team

CTF Partnership ISRF Program @ IBank municipality **IBank** California Infrastructure and Loan **Application** climate Economic Development Bank blended up to tech \$30M project rates vary up to 30 yrs BAY AREA AIR QUALITY MANAGEMENT

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ISRF Program @ IBank **CTF Partnership** municipality **IBank** California Infrastructure and Loan **Application** climate Economic Development Bank blended up to tech \$30M project rates vary up to 30 yrs BAY AREA AIR QUALITY MANAGEMENT DISTRICT

public agency meets with CTF team CTF does technology assessment

public organization files application

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CLIMATE TECH

private sector FINANCE public sector

Commercializing New Tech

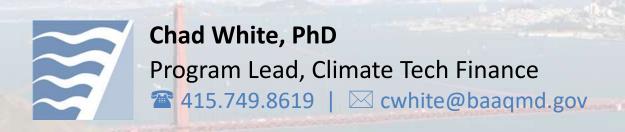
- working capital loans for biz growth
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Installing Climate Tech

- infrastructure loans up to \$30M
- financing up to 30 years

Our goal is to make this easy.

Have an idea? How can we help? Please reach out to discuss your project.

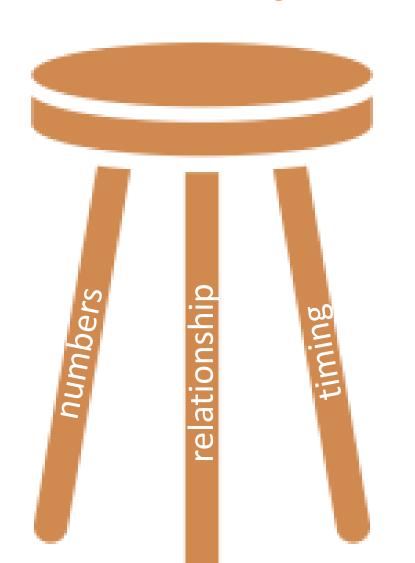


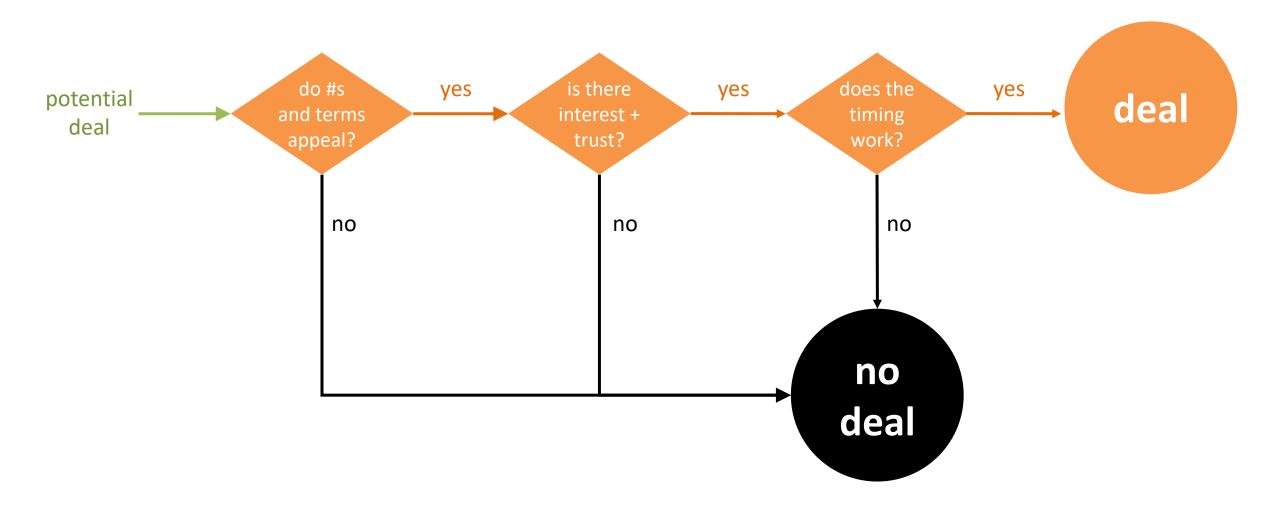
Tamara Kohne
Project Lead, Climate Tech Finance



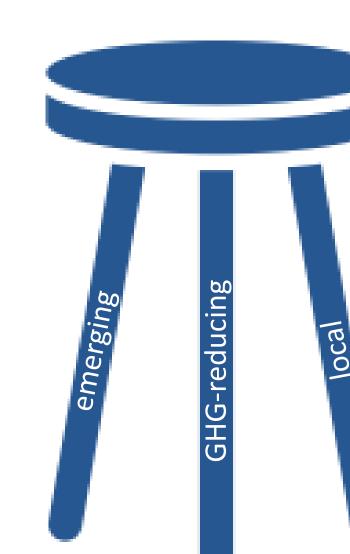
What does Climate Tech Finance look like as a decision process?

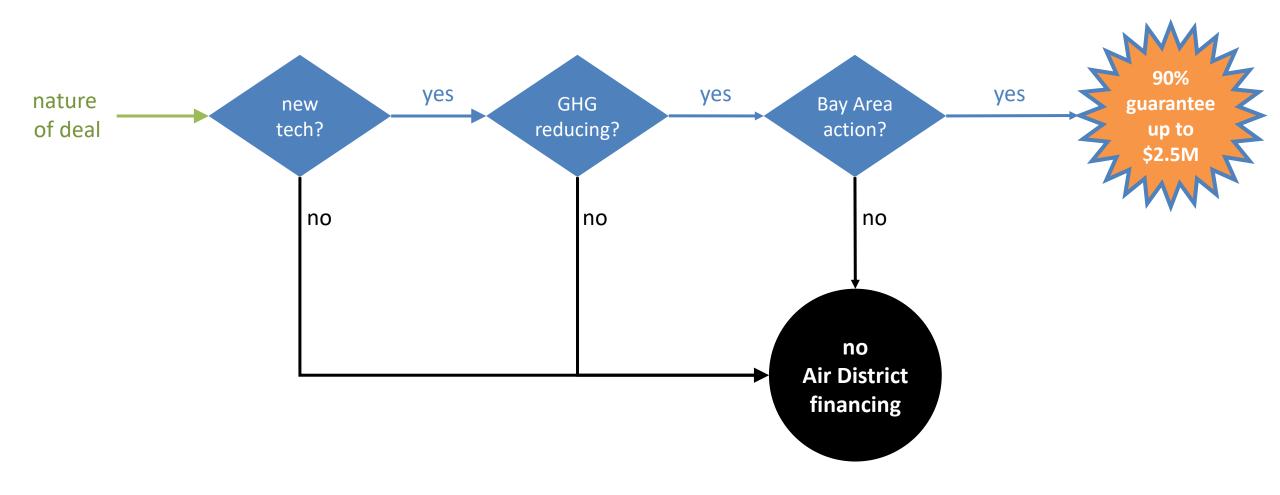
dealmaking

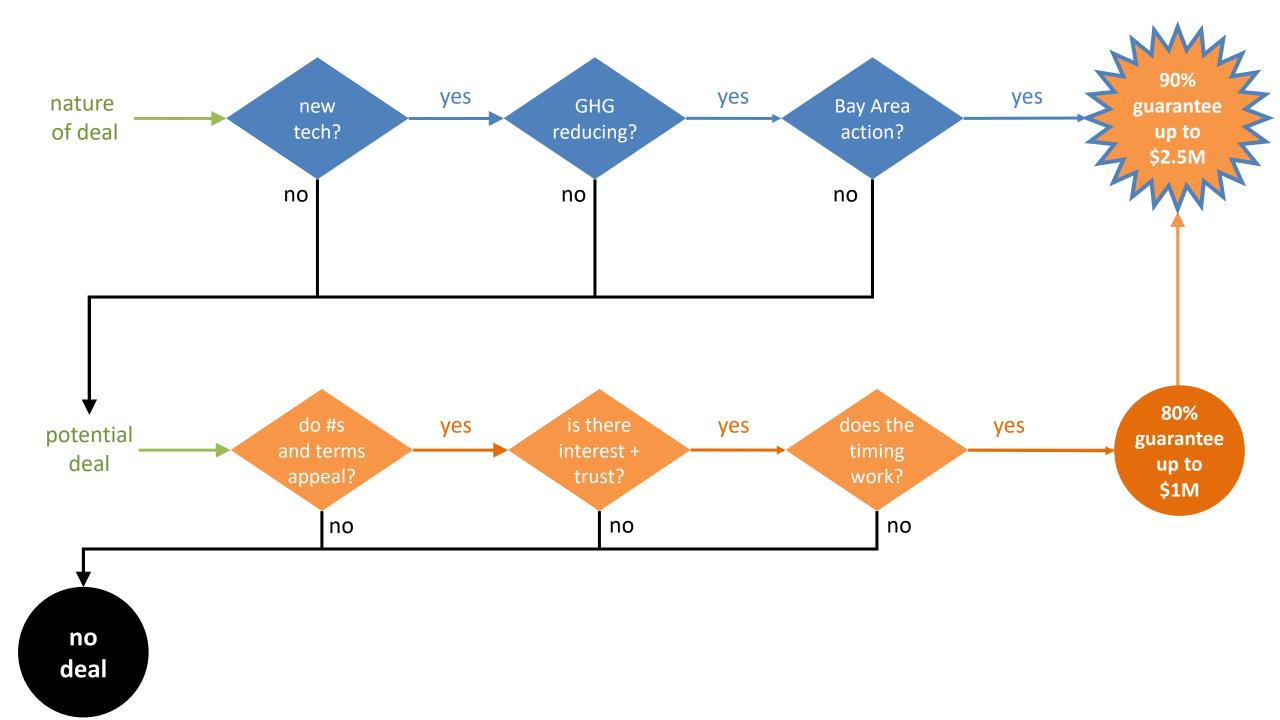




climate tech acceleration







Technology Assessment (1-2 mos)

